



Schedule of Requirement

Tender Enquiry No.: TE/UCH/E/P&P/01/22

Dated: 23-05-2022

Subject: **“Procurement of Spares Required for SGTs MCC and WHRU MCC Installed with Siemens Gas Turbines at UCH-2 Plant”**

Sr. No	ITEM DESCRIPTION	Required Quantity (No)	Unit Rate	Total Rates Inclusive of all Taxes	Deviation
1	Resistance 220ohm, 3W, 5%, code 3W-220R, Part No: 3W-220R, Make: TME	1			
2	Contact module with 2 elements, 1NO+1NC, screw terminal, for front plate mounting, Part No: 3SU1400-1AA10-1FA0, Make: Siemens	1			
3	Auxiliary switch transverse 1 NO+1 NC for circuit breaker size S00...S3, Part No:3RV1901-1E, Make: Siemens	1			
4	Illuminated pushbutton, 22mm, round, plastic, green, pushbutton, flat momentary contact type, Part No: 3SU1001-0AB40-0AA0, Make: Siemens	2			
5	Auxiliary switch block 2NO, EN5005 on the side, 10mm, screw terminal, size S3, Part No:3RH1921-1KA20, Make: Siemens	2			
6	Auxiliary switch on the front, Part No: 3RH2911-1HA22, Make: Siemens	2			
7	Attachable block 4 pole, 2NO+2NC, EN 50005,Part No: 3RH1921-1FA22, Make: Siemens	2			
8	Circuit breaker Size S0, for motor protection class 10, A-rel 0.9...1.25A, N-REL.16A,screw terminal, standard switching capacity, Part No:3RV1021-0KA10, Make: Siemens	1			
9	Circuit breaker size S00 for fuse monitoring screw terminal A-release 0.2A N-release 1.2A, Part No:3RV1611-0BD10, Make: Siemens	1			



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C/O T.C.S OFFICE, JACOBABAD (SINDH).



10	Cylindrical fuse GG acc. to French standard without indicator size 10x38MM 500V 0.5A, Part No: 3NW8000-1, Make: Siemens	3			
11	Circuit breaker size S00 for motor protection, class 10 A-release 0.9...1.25 A N-release 16 A screw terminal, standard switching capacity, Part No: 3RV2011-0KA10, Make: Siemens	1			
12	Control transformer, Part No: 204935 STN0, 06 (230/24), Make: Eaton	1			
13	Circuit breaker size S00 for starter combination rated current 4A N release 52 A screw terminal standard switching capacity, Part No: 3RV2311-1EC10, Make: Siemens	1			
14	Circuit breaker size S00 for transformer protection A-release 0.28...0.4 A N-release 8.2 A screw terminal standard switching capacity, Part No: 3RV2411-0EA10, Make: Siemens	1			
15	Circuit breaker size S00 for starter combination rated current 12.5 A N-release 163A screw terminal standard switching capacity, Part No: 3RV2311-1KC10, Make: Siemens	1			
16	Mechanical interlocking for reversing contactor size S0/S3, Part No: 3RA1924-1A, Make: Siemens	3			
17	Auxiliary switch mount 1S+0E, F. LS-SWITCH T=70MM, Part No: 5ST3010, Make: Siemens	3			
18	Circuit breaker size S0 for motor protection, class 10 A-release 13...20A N release 260 A screw terminal standard switching capacity, Part No: 3RV2021-4BA10, Make: Siemens	1			
19	Circuit breaker N-release 130 A, size S0, starter protection, 100KA screw connection standard breaking capacity, Part No: 3RV1321-1JC10, Make: Siemens	1			
20	Circuit breaker 230/400V 6KA, 1-POLE, C, 10A, D=70MM, Part No: 5SY6110-7, Make: Siemens	4			
21	Indicator lights, 22mm, round, plastic, yellow, lens, smooth, Part No: 3SU1001-6AA30-OAA0, Make: Siemens	6			



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22	Actuator indicator component contact block with 1 contact element screw terminal, 1NO, Part No: 3SU1400-1AA10-1BA0, Make: Siemens	6			
23	Built-in fuse base for cylindrical fuses size 10x38MM 32A, 3pole, Part No:3NW7033, Make: Siemens	3			
24	Pushbutton 22MM round plastic, red, front ring, raised momentary contact type, Part No: 3SU1000-0CB20-0AA0, Make: Siemens	6			
25	Pushbutton 22MM round plastic, green, front ring, raised momentary contact type, Part No: 3SU1000-0CB40-0AA0, Make: Siemens	6			
26	Pushbutton 22MM round plastic, blue, front ring, raised momentary contact type, Part No: 3SU1000-0CB50-0AA0, Make: Siemens	6			
27	Timing relay electronic, Part No:3RP1576-1NP30, Make: Siemens	1			
28	Pushbutton 16MM round plastic, blue, button, flat, 1NO, Part No: 3SB2202-0AF01, Make: Siemens	4			
29	Transverse auxiliary switch with screw terminal 2NO for circuit breaker size S00...S3, Part No: 3RV1901-1F, Make: Siemens	6			
30	Changer D3 B 6 W9 LD Cherry, Part No: XPT:8PT11049, Make: Siemens	4			
31	Circuit breaker 230/400V 25KA, 1+N-POLE, C, 16A, D=70M, Part No: 5SY8516-7, Make: Siemens	2			
32	Power contactor AC-3 12A, 5.5kW/400V 1NO+1NC, 230 V AC, 50Hz 3 pole size S0, screw terminal, Part No: 3RT2024-1AP00, Make: Siemens	3			
33	Attachable block 4 pole, 3NO+1NC, EN 50005, Part No:3RH1921-1FA31, Make: Siemens	6			



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34	Circuit breaker Size S2, for motor protection class 10, A-rel 18....25 A, N-release 325A Screw terminal standard switching capacity, Part No:3RV1031-4DA10, Make: Siemens	1			
35	Circuit breaker 230/400V 25KA, 1+N-POLE, C, 32A, D=70M, Part No: 5SY8532-7, Make: Siemens	2			
36	Circuit breaker Size S2, for motor protection class 10, A-rel 22â€¦32 A, N-release 416A Screw terminal standard switching capacity, Part No:3RV1031-4EA10, Make: Siemens	1			
37	Contactor AC-3 5.5kW/400 V, AC 230V, 50Hz, 3pole, size 50, screw connection, Part No: 3RT1024-1AP00, Make: Siemens	3			
38	Contact module with 1 contact element, 1NC, screw terminal, for front plate mounting, Part No: 3SU1400-1AA10-1CA0, Make: Siemens	10			
39	Fuse-switch-disconnector 3 pole, NH00, 160A, mounting plate construction cover level 45MM box terminal, Part No: 3NP1133-1CA20, Make: Siemens	2			
40	Indicator lights, 22mm, round, plastic, amber, lens, smooth, Part No: 3SU1001-6AA00-0AA0, Make: Siemens	12			
41	Indicator lights, 22mm, round, plastic, green, lens, smooth, Part No: 3SU1001-6AA40-0AA0, Make: Siemens	12			
42	Overload relay 3...12A for motor protection size S0, class 20 E contactor mounting main circuit: screw auxiliary circuit: screw manual -automatic reset, Part No: 3RB3026-2SB0, Make: Siemens	2			
43	Cylindrical fuse GG acc. to French standard without indicator size 10x38MM 500V 10A, Part No: 3NW6003-1, Make: Siemens	12			
44	Power relay AC-3 8.4A, 4kW/ 400 V 4 NO, 230 V AC, 45...450 Hz 3 pole screw terminal , Part No: 3TG1010-0AL2, Make: Siemens	6			
45	LV HRC fuse link GL/GG with non-insulated grip lugs with front indicator size 000, 40A, AC 500V/DC 250 V, Part No: 3NA3817, Make: Siemens	10			



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46	Control transformer STN, Part No: 204992 STN1,0(400/230), Make: Eaton	1			
47	Contactor AC-3 11kW/400 V, AC 230V, 50Hz, 3pole, size 50, screw connection, Part No:3RT1026-1AP00, Make: Siemens	4			
48	Residual current transformer for residual current monitoring bushing opening 35 mm residual current 30mA...40A, Part No: 3UL2302-1A, Make: Siemens	2			
49	Digital monitoring relay current monitoring, 22.5 mm from 0.05-10 A AC/DC overshoot and undershoot 24 to 240V AC/DC 50to 60 Hz DC and AC ON delay and noise pulses delay 0.1 to 20 s, Part No:3UG4622-1AW30, Make: Siemens	2			
50	Overload relay 6...25A for motor protection size S0, class 20E contactor mounting main circuit: screw auxiliary circuit, screw manual-automatic reset, Part No: 3RB2026-2QB0, Make: Siemens	3			
51	Circuit breaker 230/400V 25KA, 1+N-POLE, C, 6A, D=70M, Part No:5SY8506-7, Make: Siemens	4			
52	FI/LS-protector type A, D=700MM IFN 30MA, 10KA, 1+N-POLE C 6A, Part No: 5SU1354-7KK06, Make: Siemens	2			
53	22MM plastic round complete unit combination, indicator light with smooth lens illuminated with integrated led 230V AC screw terminal with holder red, Part No: 3SB3252-6AA20, Make: Siemens	12			
54	Power contactor AC-3 32A, 15kW/400V 230 V AC, 50Hz, 3 pole, size S2, screw terminal, Part No: 3RT1034-1AP00, Make: Siemens	3			
55	LED module with integrated LED, 24-240 V AC/DC, amber, screw terminal, for front plate mounting, Part No: 3SU1401-1BH00-1AA0, Make: Siemens	12			
56	FI/LS-protector type A, D=700MM IFN 30MA, 10KA, 1+N-POLE C 16A, Part No: 5SU1354-7KK16, Make: Siemens	2			



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57	RONIS key-operated switch, 22 mm, round, plastic, lock number SB30, with 2 keys, 3 switch positions I-O-II, latching, actuating angle 2x45, key removal II, possible special locks, Part No: 3SU1000-4BL31-0AA0, Make: Siemens	9			
58	Cylindrical fuse GG acc. to French standard without indicator size 10x38MM 500V 4A, Part No: 3NW6004-1, Make: Siemens	20			
59	Built-in fuse base for cylindrical fuses size 10x38MM 32A, 1pole, Part No: 3NW7053, Make: Siemens	12			
60	Circuit breaker size S3 for starter combination rated current 75A N-release 975 A screw terminal increased switching capacity, Part No:3RV1342-4KC10, Make: Siemens	1			
61	Overload relay 25...100A for motor protection size S3, class 10, Part No:3RB2046-1EW1, Make: Siemens	2			
62	LV HRC fuse link GL/GG with non-insulated grip lugs with front indicator size 2, 400A, AC 500V/DC 440 V, Part No:3NA3260, Make: Siemens	9			
63	Overload relay 25...100A for motor protection size S3, class 20 Contactor mounting main circuit, Part No: 3RB2046-2EB0, Make: Siemens	2			
64	Cylindrical fuse GG acc. to French standard without indicator size 10x38MM 500V 2A, Part No: 3NW6002-1, Make: Siemens	30			
65	Contact module with 1 contact element, 1 NO, screw terminal, for front plate mounting, Part No: 3SU1400-1AA10-1BA0, Make: Siemens	30			
66	Plug-in relay complete unit 4 W, 230 V AC LED module red standard plug-in socket screw terminal 3.5 mm pinning, Part No: LZS:PT5A5T30, Make: Siemens	18			
67	LED module with integrated LED, 24-240 V AC/DC, green, screw terminal, for front plate mounting, Part No: 3SU1401-1BH40-1AA0, Make: Siemens	20			
68	Holder for 3 modules, plastic, Part No: 3SU1500-0AA10-0AA0, Make: Siemens	59			



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69	Digital monitoring relay for residual current monitoring (with current transformer 3UL23) setting range 0.03â€¦40A separate for warning threshold and switch-off value supply voltage 24...240 V AC/DC, 50HZ ON, Part No: 3UG4625-1CW30, Make: Siemens	6			
70	Power contactor AC-3 225A, 110kW/400V AC(50-60Hz)/ DC operation 220-240 V UC auxiliary contacts 2NO+2NC 3 pole, size S10 busbar connection, Part No:3RT1064-6AP36, Make: Siemens	2			
71	Power contactor AC-3 115A, 55kW/400V AC(50-60 HZ)/ DC operation 220-240 V UC auxiliary contacts 2NO+2NC 3 pole, size S6 with box terminals , Part No: 3RT1054-1AP36, Make: Siemens	4			



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UCH GAS FIELD

DERA BUGTI, BALOCHISTAN, PAKISTAN

Date: 23-05-2022



TECHNICAL, GENERAL TERMS AND CONDITIONS:

Annexure-A1

1. Bids must be submitted under “**Single stage two envelopes bidding system**” i.e. **Technical & financial bid** separately on due dates. Envelopes should be marked as “**CONFIDENTIAL**” and “**DON’T OPEN BEFORE BID OPENING DATE AND TIME**” as well as “**TECHNICAL/COMMERCIAL**”.
2. Financial bids of only technically responsive bidders will be opened publically.
3. After tender opening "Technical Bids" will be reviewed. The bids will be brought technically at par by seeking clarifications. The bidders will **NOT** be asked for any price change in their financial bids due to certain clarifications and subsequent change in their technical proposals. The bidders will **NOT** be allowed to submit supplementary price proposals in a separate sealed envelope to make it a part of the already submitted unopened financial bids and to adjust their quoted price subsequently affected due to change in technical proposals.
4. Sealed financial bids of technically non-responsive bidders will be returned un-opened.
5. OGDCL reserves the right to reject any or all the bids without assigning any reason.
6. Quoted prices must be firm in pak rupees on FOR UCH GAS FIELD basis (inclusive of GST, other taxes, and duties).
7. OGDCL reserves the right to evaluate the bid(s) either item-wised or full package basis without assigning any reason. To quote competitive prices, quote for all or any items, enable company to decide purchase.
8. The quantity of any item mentioned in SOR can be increased or decreased and any item can be excluded after receipt of bids.
9. Final number of items and required quantity of each item will be communicated at the time of issuance of purchase order.
10. The variation in number of items and quantity of any item will not change the unit cost of material.
11. No advance payment will be made at the time of purchase order.
12. Delivery of the material to be made at UCH GAS FIELD.
13. The inspection of SGTs MCC and WHRU MCC spares will be carried out at site, in case of rejection all of the transportation charges will be at supplier end.
14. The bidders have to supply all items as per make, part number and other specifications mentioned in schedule of requirements. Any variation shall not be accepted.
15. Quoted price shall be valid till **31-08-2022** from the opening date of the Financial Bid.
16. Technical brochure/literature confirming Size, Brand & Country of Origin of spares must be attached with the Technical Bid (where deemed necessary).



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17. The Supplier will have to provide test certificates and catalogues of spares like breakers, magnetic contactors, overload relays etc.

18. **INSPECTION AND TEST:**

- a. The OGDCL's representative(s) shall have the right to inspect and/or test the spares with respect to specifications mentioned in the Purchase Order. The representative of Field Manager Uch Gas Field Dera Bugti will witness the inspection (where so required).
- b. If SGTs MCC and WHRU MCC spares has been found not as per specifications and requirements, OGDCL has right to reject it. All costs incurred on such replacement shall be entirely born by the supplier.

19. **WARRANTY:**

- a. The supplier/ contractor shall warranty that supplied SGTs MCC and WHRU MCC spares under purchase order shall be according to specifications given in Purchase Order and approved drawings/design etc. Any deviation in material, drawing/design (where applicable) will be replaced by the Supplier/ Contactor at his cost.
- b. OGDCL shall promptly notify the supplier in writing, of any claims arising under this warranty.
- c. The supplier/ contactor will have to invariably provide performance warranty/guarantees of supplied items.

20. **PAYMENT:**

- a. Payment will be made through online transfer to 24 digits IBAN account as per company rules after receipt, inspection of complete SGTs MCC and WHRU MCC spares at site and necessary OGDCL procedures as per schedule mentioned in class 17-c & 17-d.
- b. Income tax/ With Holding tax deductions will be applicable as per company/Govt. Rules.